

## Product Datasheet

## Anti-TRAAK Potassium Channel Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-433-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N445/27
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 256-398 (cytoplasmic C-terminus) of mouse TRAAK (accession number O88454) produced recombinantly in E. Coli
<b>Molecular Weight</b>	43 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-433-FL490, RRID: AB_2940440

## Details

<b>Target Description</b>	Potassium two pore domain channel subfamily K member 4 is encoded by the gene KCNK4. KCNK4 is a member of the two pore domain potassium channel (TC 1.A.1.8) family. KCNK4 homodimerizes and functions as an outwardly rectifying channel. KCNK4 is regulated by polyunsaturated fatty acids, temperature, and mechanical deformation of the lipid membrane. KCNK4 is expressed in the brain, spinal cord, and eye. Diseases associated with KCNK4 include Facial Dysmorphism, Hypertrichosis, Epilepsy, Intellectual/Developmental Delay, and Gingival Overgrowth Syndrome.
<b>Specificity</b>	Does not cross-react with TREK1/KCNK2
<b>Purification Method</b>	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
<b>Quality Control Tests</b>	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.

**Storage**

Aliquot and store at  $\leq -20^{\circ}\text{C}$  for long term storage. For short term storage, store at  $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.

**Our Guarantee**

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